



Almost Spring!

With the Cool Science Club

Do you like to understand how things REALLY work? Do you like to spend time using your HANDS to explore and experiment? Well, get ready for science fun after school!



The Cool Science Club is a partnership of the schools, parents and community to provide **fun, hands-on, experiment-driven projects** in science, technology, engineering and mathematics (STEM) that offer kids an opportunity to dig deeper into their world and enrich the way they look at it. A Club Scientist will lead the four-session exploration of a single topic for 12 students in a grade-grouping and will be assisted by a Young Scientist (from grades 8-12). **Club registration is first-come, first-served.**

Grades K+1+2 Discovery Science! Our own "Mr. Wizard" will lead the students on an exploration of a wide variety of science topics through fun, hands-on experiments.

Grades K+1+2 Kitchen Chemistry Young scientists will learn how everyday materials interact with each other in a fun, scientific way!

Grades K+1+2 Explore Stars & Planets in the STARLAB View the constellations, planets, and phases of the moon in our very own mock-up of the universe – the STARLAB planetarium! Young scientists will explore why stars twinkle, why the moon looks different each night, and much more.

Grades K+1+2 NEW! Be an Outdoor Explorer! Young explorers will venture outside to see what's happening in the natural world -- searching for animal tracks, shelters and signs. Make some human tracks, and try out snowshoes if conditions are good. Watch for birds, look for insects, and go on a scavenger hunt. You'll discover the strategies that organisms use to survive in the weather. Dress for the weather (warm jackets, boots, hats and mittens) because we will go outside each week.

Grades 3+4+5+6 LEGO ROBOTICS™ Rookie and veteran builders alike will enjoy the science and technology of LEGO *Mindstorms* facilitated by a Tufts University instructor. Geared for all experience levels, this session will challenge young scientists as they build and program a robot with a team to accomplish specific tasks and fun tricks.

Grades 3+4+5+6 NEW! Digging Mummy Science Young archeologists will have fun making new discoveries in the world of mummies. Explore the ancient pyramids to discover what was buried there and why. We will recreate pyramids and discover the techniques used in searching archeological digs. You never know what you will find and learn about when we start digging!

Grades 3+4+5+6 NEW! Catamarans! Build a Boat Design and create a unique boat that will race down a ten-foot river track. Learn about buoyancy, aerodynamics, propulsion, thrust and more!

- Four-week session held on **Wednesdays**, beginning on **Wednesday, March 17, 2010**: 3/17, 3/24, 3/31, 4/7
- 3:30 – 5:00 pm at the McCall Middle School. 12-14 children per Club grade grouping.
- \$75 fee for four-week session. Scholarships are available. Registration is on a first-come, first-served basis.
- For more info, contact Lanie Higgins, Cool Science Club Director and Middle School Science Coordinator, at 781-729-7157, Lhiggins@winchester.k12.ma.us

Student Name _____ Grade _____ School _____

Tell us your child's preferred grade-appropriate club **by using 1 and 2 to indicate first and second choice:**

- | | |
|--|--|
| <input type="checkbox"/> Grades K+1+2 Discovery Science! | <input type="checkbox"/> Grades 3+4+5+6 Digging Mummy Science |
| <input type="checkbox"/> Grades K+1+2 Kitchen Chemistry | <input type="checkbox"/> Grades 3+4+5+6 Catamarans! Build a Boat |
| <input type="checkbox"/> Grades K+1+2 STARLAB | <input type="checkbox"/> Grades 3+4+5+6 LEGO ROBOTICS Mindstorms |
| <input type="checkbox"/> Grades K+1+2 Outdoor Explorer | |

☐ I have enclosed a check for \$75 payable to the Winchester Public Schools. I understand that registration is on a first-come, first-served basis. Please mail form/payment to Lanie Higgins, McCall Middle School, 458 Main St., Winchester, MA 01890

I am also interested in ☐ being the parent-volunteer Club Manager for my child's Club this session.
☐ being a Club Scientist for a future session. My topic is _____

Parent Name _____ Signature _____

Address _____ Email _____ Phone _____

BELOW AND ON THE BACK OF THIS FORM, please list important information about your child's medical history and behavioral concerns, including allergies. Also, does your child require any special needs during the school year (i.e. an aide)? >>>

☐ no concerns or allergies or special needs